

MEMORANDUM

FROM ~~Wayne Smith~~

~~Project Engineer~~

Environmental

~~SUBJECT Route 280, Sec. 8A-8D, Cert. of Reg. #0907H~~<sup>DATE</sup> ~~14 August 1978~~

Tel. 2-1656

During the month of June, site #7 leachate well (Ramp M Route 280 Eastbound, station 211 + 00, 270 ft. left) was sampled for the quarterly parameters as listed in the above registration; the analysis of site #7 water is indicated in the following tabulation:

Parameter	Concentration (mg/l)	Surface Design Area 2
Chlorides	421	AUG 16 1978
Total Dissolved Solids	656	
Phenols	0.15	
COD	463	
Hardness (as CaCO <sub>3</sub> )	1360.59	
BOD5	Less than 9	
Iron	4.16	

1 (intersection of Harrison Avenue and Ramp M)  
(Route 85 Eastbound, station 34 + 50, 70 ft.  
sampled in July for an annual analysis of all  
as given in the registration. Concentrations of  
ng constituents are in mg/l unless noted otherwise:

Parameter	Site #1	Site #2
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Site #1 (intersection of Harrison Avenue and Ramp M) and site #2 (Route 85 Eastbound, station 34 + 50, 70 ft. right) were sampled in July for an annual analysis of all parameters as given in the registration. Concentrations of the following constituents are in mg/l unless noted otherwise:

Parameter	Site #1 mg/l	Site #2 mg/l
Chlorides	97	745
Total Dissolved Solids	650	2805
Phenols	0.08	0.04
COD	277	395
Hardness (as CaCO <sub>3</sub> )	363.90	1131.12

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Parameter	Site #1 mg/l	Site #2 mg/l
BOD5	15	32
Iron	5.50	5.29
Chromium	0.32	0.03
Cadmium	0.02	0.016
Copper	0.07	0.007
Zinc	0.40	0.11
Manganese	0.50	1.94
Lead	0.067	0.075
Arsenic	0.010	Non-detectable
pH	7.1	7.0
Oil & Grease	40	48
Sulfates	324	30
Nitrate	Non-detectable	Non-detectable
Total Phosphate	0.42	2.5
Dissolved Oxygen	0	1.2
Cyanide	0.102	0.029
Total Coliform MPN/100 mls	Less than 2000	13,000
Fecal Coliform MPN/100 mls	Less than 2000	Less than 2000
Fecal Streptococci MPN/100 mls	Less than 200	500

The following wells have not been installed:

- site #3 (Rt. 280 Eastbound, station 210 + 30, 70 ft. right)
- site #4 (adjacent to Franks Creek Culvert, Rt. 280 Eastbound, station 190 + 70, 120 ft. right)
- site #5 (adjacent to Franks Creek Culvert, Rt. 280 Eastbound, station 190 + 80, 110 ft. left).

Site #6 (Rt. 280 Eastbound, station 200 + 00, 220 ft. left) is scheduled for a quarterly analysis in August. Sampling of the four twelve-inch diameter wells located at MSLA Landfill Site 1-D will also be conducted, provided they are not found to be dry as has been the case on previous occasions. Franks Creek, both upstream and downstream of the disruption site at Franks Creek, is to be sampled for an annual analysis in August.

Please direct any inquiries to this office concerning the above.

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Wayne Smith

WS:BS:dmo

cc: T. Fischer, Design Area II

J. Bolan, Hackensack Meadowlands Commission

E. R. Wokoun